

**SEQUENCE LISTING**

[0267] The instant application contains a "lengthy" Sequence Listing which has been submitted via four CD-R in lieu of a printed paper copy, and is hereby incorporated by reference in its entirety. Said CD-R, recorded on February 25, 2005, are labeled "CRF," "Copy 1," "Copy 2," and "Copy 3" respectively, and each contains only one identical 528 Kb file (89403834.APP).

## Tables

Table 1. Identification Numbers

FP ID	SEQ.ID.NO. (N1)	SEQ.ID.NO. (P1)	SEQ.ID.NO. (N0)	Clone ID
HG1014903	SEQ.ID.NO.:1	SEQ.ID.NO.:188	SEQ.ID.NO.:375	PLT00014330A02.contig.a
HG1014904	SEQ.ID.NO.:2	SEQ.ID.NO.:189		PLT00014330A02.contig.b
HG1014905	SEQ.ID.NO.:3	SEQ.ID.NO.:190	SEQ.ID.NO.:376	CLN00736344
HG1014906	SEQ.ID.NO.:4	SEQ.ID.NO.:191		CLN00736344
HG1014907	SEQ.ID.NO.:5	SEQ.ID.NO.:192	SEQ.ID.NO.:377	PLT00014330A17.contig.a
HG1014908	SEQ.ID.NO.:6	SEQ.ID.NO.:193	SEQ.ID.NO.:378	PLT00014330A20.contig.a
HG1014909	SEQ.ID.NO.:7	SEQ.ID.NO.:194	SEQ.ID.NO.:379	PLT00014330B02.contig.a
HG1014910	SEQ.ID.NO.:8	SEQ.ID.NO.:195		PLT00014330B02.contig.b
HG1014911	SEQ.ID.NO.:9	SEQ.ID.NO.:196	SEQ.ID.NO.:380	PLT00014330B04.contig.a
HG1014912	SEQ.ID.NO.:10	SEQ.ID.NO.:197		PLT00014330B04.contig.b
HG1014913	SEQ.ID.NO.:11	SEQ.ID.NO.:198	SEQ.ID.NO.:381	PLT00014330B05.contig.a
HG1014914	SEQ.ID.NO.:12	SEQ.ID.NO.:199	SEQ.ID.NO.:382	PLT00014330B11.contig.a
HG1014915	SEQ.ID.NO.:13	SEQ.ID.NO.:200	SEQ.ID.NO.:383	PLT00014330B13.contig.a
HG1014916	SEQ.ID.NO.:14	SEQ.ID.NO.:201		PLT00014330B13.contig.b
HG1014917	SEQ.ID.NO.:15	SEQ.ID.NO.:202	SEQ.ID.NO.:384	CLN00736494
HG1014918	SEQ.ID.NO.:16	SEQ.ID.NO.:203		PLT00014330B18.contig.b
HG1014919	SEQ.ID.NO.:17	SEQ.ID.NO.:204	SEQ.ID.NO.:385	PLT00014330C06.contig.a
HG1014920	SEQ.ID.NO.:18	SEQ.ID.NO.:205		PLT00014330C06.contig.b
HG1014921	SEQ.ID.NO.:19	SEQ.ID.NO.:206	SEQ.ID.NO.:386	PLT00014330C12.contig.a
HG1014922	SEQ.ID.NO.:20	SEQ.ID.NO.:207	SEQ.ID.NO.:387	PLT00014330C14.contig.a
HG1014923	SEQ.ID.NO.:21	SEQ.ID.NO.:208	SEQ.ID.NO.:388	PLT00014330C18.contig.a
HG1014924	SEQ.ID.NO.:22	SEQ.ID.NO.:209		PLT00014330C18.contig.b
HG1014925	SEQ.ID.NO.:23	SEQ.ID.NO.:210	SEQ.ID.NO.:389	CLN00736483
HG1014926	SEQ.ID.NO.:24	SEQ.ID.NO.:211		CLN00736483
HG1014927	SEQ.ID.NO.:25	SEQ.ID.NO.:212	SEQ.ID.NO.:390	PLT00014330D05.contig.a
HG1014928	SEQ.ID.NO.:26	SEQ.ID.NO.:213		PLT00014330D05.contig.b
HG1014929	SEQ.ID.NO.:27	SEQ.ID.NO.:214	SEQ.ID.NO.:391	PLT00014330D07.contig.a
HG1014930	SEQ.ID.NO.:28	SEQ.ID.NO.:215	SEQ.ID.NO.:392	CLN00736320
HG1014931	SEQ.ID.NO.:29	SEQ.ID.NO.:216		CLN00736320
HG1014932	SEQ.ID.NO.:30	SEQ.ID.NO.:217	SEQ.ID.NO.:393	CLN00736408
HG1014933	SEQ.ID.NO.:31	SEQ.ID.NO.:218		PLT00014330D12.contig.b
HG1014934	SEQ.ID.NO.:32	SEQ.ID.NO.:219	SEQ.ID.NO.:394	PLT00014330D13.contig.a
HG1014935	SEQ.ID.NO.:33	SEQ.ID.NO.:220	SEQ.ID.NO.:395	PLT00014330D15.contig.a
HG1014936	SEQ.ID.NO.:34	SEQ.ID.NO.:221		PLT00014330D15.contig.b
HG1014937	SEQ.ID.NO.:35	SEQ.ID.NO.:222	SEQ.ID.NO.:396	PLT00014330D17.contig.a
HG1014938	SEQ.ID.NO.:36	SEQ.ID.NO.:223	SEQ.ID.NO.:397	PLT00014330E04.contig.a
HG1014939	SEQ.ID.NO.:37	SEQ.ID.NO.:224	SEQ.ID.NO.:398	PLT00014330E14.contig.a
HG1014940	SEQ.ID.NO.:38	SEQ.ID.NO.:225		PLT00014330E14.contig.b
HG1014941	SEQ.ID.NO.:39	SEQ.ID.NO.:226	SEQ.ID.NO.:399	PLT00014330E24.contig.a
HG1014942	SEQ.ID.NO.:40	SEQ.ID.NO.:227		PLT00014330E24.contig.b
HG1014943	SEQ.ID.NO.:41	SEQ.ID.NO.:228	SEQ.ID.NO.:400	PLT00014330F01.contig.a
HG1014944	SEQ.ID.NO.:42	SEQ.ID.NO.:229	SEQ.ID.NO.:401	PLT00014330F03.contig.a
HG1014945	SEQ.ID.NO.:43	SEQ.ID.NO.:230		PLT00014330F03.contig.b
HG1014946	SEQ.ID.NO.:44	SEQ.ID.NO.:231	SEQ.ID.NO.:402	CLN00736568
HG1014947	SEQ.ID.NO.:45	SEQ.ID.NO.:232		PLT00014330F04.contig.b
HG1014948	SEQ.ID.NO.:46	SEQ.ID.NO.:233	SEQ.ID.NO.:403	PLT00014330F05.contig.a
HG1014949	SEQ.ID.NO.:47	SEQ.ID.NO.:234	SEQ.ID.NO.:404	PLT00014330F13.contig.a
HG1014950	SEQ.ID.NO.:48	SEQ.ID.NO.:235	SEQ.ID.NO.:405	PLT00014330G21.contig.a
HG1014951	SEQ.ID.NO.:49	SEQ.ID.NO.:236		PLT00014330G21.contig.b
HG1014952	SEQ.ID.NO.:50	SEQ.ID.NO.:237		PLT00014330H05.contig.b
HG1014953	SEQ.ID.NO.:51	SEQ.ID.NO.:238	SEQ.ID.NO.:406	PLT00014330H06.contig.a

FP ID	SEQ.ID.NO. (N1)	SEQ.ID.NO. (P1)	SEQ.ID.NO. (N0)	Clone ID
HG1014954	SEQ.ID.NO.:52	SEQ.ID.NO.:239	SEQ.ID.NO.:407	CLN00736486
HG1014955	SEQ.ID.NO.:53	SEQ.ID.NO.:240		PLT00014330H12.contig.b
HG1014956	SEQ.ID.NO.:54	SEQ.ID.NO.:241	SEQ.ID.NO.:408	PLT00014330H14.contig.a
HG1014957	SEQ.ID.NO.:55	SEQ.ID.NO.:242		PLT00014330H14.contig.b
HG1014958	SEQ.ID.NO.:56	SEQ.ID.NO.:243	SEQ.ID.NO.:409	CLN00736439
HG1014959	SEQ.ID.NO.:57	SEQ.ID.NO.:244		PLT00014330H18.contig.b
HG1014960	SEQ.ID.NO.:58	SEQ.ID.NO.:245	SEQ.ID.NO.:410	PLT00014330I11.contig.a
HG1014961	SEQ.ID.NO.:59	SEQ.ID.NO.:246	SEQ.ID.NO.:411	PLT00014330I12.contig.a
HG1014962	SEQ.ID.NO.:60	SEQ.ID.NO.:247		PLT00014330I12.contig.b
HG1014963	SEQ.ID.NO.:61	SEQ.ID.NO.:248	SEQ.ID.NO.:412	PLT00014330I13.contig.a
HG1014964	SEQ.ID.NO.:62	SEQ.ID.NO.:249		PLT00014330I13.contig.b
HG1014965	SEQ.ID.NO.:63	SEQ.ID.NO.:250	SEQ.ID.NO.:413	PLT00014330J10.contig.a
HG1014966	SEQ.ID.NO.:64	SEQ.ID.NO.:251		PLT00014330J10.contig.b
HG1014967	SEQ.ID.NO.:65	SEQ.ID.NO.:252	SEQ.ID.NO.:414	PLT00014330J14.contig.a
HG1014968	SEQ.ID.NO.:66	SEQ.ID.NO.:253		PLT00014330J14.contig.b
HG1014969	SEQ.ID.NO.:67	SEQ.ID.NO.:254	SEQ.ID.NO.:415	PLT00014330J15.contig.a
HG1014970	SEQ.ID.NO.:68	SEQ.ID.NO.:255	SEQ.ID.NO.:416	PLT00014330J21.contig.a
HG1014971	SEQ.ID.NO.:69	SEQ.ID.NO.:256		PLT00014330J21.contig.b
HG1014972	SEQ.ID.NO.:70	SEQ.ID.NO.:257	SEQ.ID.NO.:417	PLT00014330K01.contig.a
HG1014973	SEQ.ID.NO.:71	SEQ.ID.NO.:258	SEQ.ID.NO.:418	PLT00014330K08.contig.a
HG1014974	SEQ.ID.NO.:72	SEQ.ID.NO.:259		PLT00014330K08.contig.b
HG1014975	SEQ.ID.NO.:73	SEQ.ID.NO.:260	SEQ.ID.NO.:419	CLN00736375
HG1014976	SEQ.ID.NO.:74	SEQ.ID.NO.:261		PLT00014330K09.contig.b
HG1014977	SEQ.ID.NO.:75	SEQ.ID.NO.:262	SEQ.ID.NO.:420	PLT00014330K15.contig.a
HG1014978	SEQ.ID.NO.:76	SEQ.ID.NO.:263		PLT00014330K15.contig.b
HG1014979	SEQ.ID.NO.:77	SEQ.ID.NO.:264	SEQ.ID.NO.:421	PLT00014330K24.contig.a
HG1014980	SEQ.ID.NO.:78	SEQ.ID.NO.:265	SEQ.ID.NO.:422	PLT00014330L01.contig.a
HG1015004	SEQ.ID.NO.:79	SEQ.ID.NO.:266	SEQ.ID.NO.:423	PLT00014330L24.contig.a
HG1014981	SEQ.ID.NO.:80	SEQ.ID.NO.:267	SEQ.ID.NO.:424	PLT00014330M02.contig.a
HG1014982	SEQ.ID.NO.:81	SEQ.ID.NO.:268		PLT00014330M02.contig.b
HG1014983	SEQ.ID.NO.:82	SEQ.ID.NO.:269	SEQ.ID.NO.:425	PLT00014330M08.contig.a
HG1014984	SEQ.ID.NO.:83	SEQ.ID.NO.:270		PLT00014330M08.contig.b
HG1014985	SEQ.ID.NO.:84	SEQ.ID.NO.:271	SEQ.ID.NO.:426	PLT00014330M15.contig.a
HG1014986	SEQ.ID.NO.:85	SEQ.ID.NO.:272	SEQ.ID.NO.:427	PLT00014330M17.contig.a
HG1014987	SEQ.ID.NO.:86	SEQ.ID.NO.:273		CLN00736332
HG1014988	SEQ.ID.NO.:87	SEQ.ID.NO.:274	SEQ.ID.NO.:428	PLT00014330N10.contig.a
HG1014989	SEQ.ID.NO.:88	SEQ.ID.NO.:275		PLT00014330N10.contig.b
HG1014990	SEQ.ID.NO.:89	SEQ.ID.NO.:276	SEQ.ID.NO.:429	PLT00014330N12.contig.a
HG1014991	SEQ.ID.NO.:90	SEQ.ID.NO.:277		PLT00014330N12.contig.b
HG1014992	SEQ.ID.NO.:91	SEQ.ID.NO.:278	SEQ.ID.NO.:430	CLN00736512
HG1014993	SEQ.ID.NO.:92	SEQ.ID.NO.:279		CLN00736512
HG1014994	SEQ.ID.NO.:93	SEQ.ID.NO.:280	SEQ.ID.NO.:431	PLT00014330N22.contig.a
HG1014995	SEQ.ID.NO.:94	SEQ.ID.NO.:281		PLT00014330N22.contig.b
HG1014996	SEQ.ID.NO.:95	SEQ.ID.NO.:282	SEQ.ID.NO.:432	CLN00736478
HG1014997	SEQ.ID.NO.:96	SEQ.ID.NO.:283	SEQ.ID.NO.:433	PLT00014330O07.contig.a
HG1014998	SEQ.ID.NO.:97	SEQ.ID.NO.:284		PLT00014330O07.contig.b
HG1015005	SEQ.ID.NO.:98	SEQ.ID.NO.:285	SEQ.ID.NO.:434	PLT00014330O18.contig.a
HG1015006	SEQ.ID.NO.:99	SEQ.ID.NO.:286		PLT00014330O18.contig.b
HG1014999	SEQ.ID.NO.:100	SEQ.ID.NO.:287	SEQ.ID.NO.:435	PLT00014330P07.contig.a
HG1015000	SEQ.ID.NO.:101	SEQ.ID.NO.:288		PLT00014330P07.contig.b
HG1015001	SEQ.ID.NO.:102	SEQ.ID.NO.:289	SEQ.ID.NO.:436	PLT00014330P09.contig.a
HG1015002	SEQ.ID.NO.:103	SEQ.ID.NO.:290		PLT00014330P09.contig.b
HG1015003	SEQ.ID.NO.:104	SEQ.ID.NO.:291	SEQ.ID.NO.:437	PLT00014330P15.contig.a
HG1015007	SEQ.ID.NO.:105	SEQ.ID.NO.:292	SEQ.ID.NO.:438	CLN00736321

FP ID	SEQ.ID.NO. (N1)	SEQ.ID.NO. (P1)	SEQ.ID.NO. (N0)	Clone ID
HG1015008	SEQ.ID.NO.:106	SEQ.ID.NO.:293		PLT00014333A03.contig.b
HG1015009	SEQ.ID.NO.:107	SEQ.ID.NO.:294	SEQ.ID.NO.:439	PLT00014333A06.contig.a
HG1015010	SEQ.ID.NO.:108	SEQ.ID.NO.:295		PLT00014333A06.contig.b
HG1015011	SEQ.ID.NO.:109	SEQ.ID.NO.:296	SEQ.ID.NO.:440	PLT00014333A08.contig.a
HG1015012	SEQ.ID.NO.:110	SEQ.ID.NO.:297	SEQ.ID.NO.:441	PLT00014333A15.contig.a
HG1015013	SEQ.ID.NO.:111	SEQ.ID.NO.:298		CLN00736625
HG1015014	SEQ.ID.NO.:112	SEQ.ID.NO.:299	SEQ.ID.NO.:442	PLT00014333A16.contig.a
HG1015015	SEQ.ID.NO.:113	SEQ.ID.NO.:300		PLT00014333A16.contig.b
HG1015016	SEQ.ID.NO.:114	SEQ.ID.NO.:301	SEQ.ID.NO.:443	PLT00014333B03.contig.a
HG1015017	SEQ.ID.NO.:115	SEQ.ID.NO.:302		PLT00014333B03.contig.b
HG1015018	SEQ.ID.NO.:116	SEQ.ID.NO.:303	SEQ.ID.NO.:444	PLT00014333B05.contig.a
HG1015019	SEQ.ID.NO.:117	SEQ.ID.NO.:304		PLT00014333B05.contig.b
HG1015020	SEQ.ID.NO.:118	SEQ.ID.NO.:305	SEQ.ID.NO.:445	PLT00014333B15.contig.a
HG1015021	SEQ.ID.NO.:119	SEQ.ID.NO.:306	SEQ.ID.NO.:446	PLT00014333B17.contig.a
HG1015022	SEQ.ID.NO.:120	SEQ.ID.NO.:307		CLN00736440
HG1015023	SEQ.ID.NO.:121	SEQ.ID.NO.:308	SEQ.ID.NO.:447	PLT00014333C02.contig.a
HG1015024	SEQ.ID.NO.:122	SEQ.ID.NO.:309		PLT00014333C02.contig.b
HG1015025	SEQ.ID.NO.:123	SEQ.ID.NO.:310	SEQ.ID.NO.:448	PLT00014333C10.contig.a
HG1015026	SEQ.ID.NO.:124	SEQ.ID.NO.:311		PLT00014333C10.contig.b
HG1015027	SEQ.ID.NO.:125	SEQ.ID.NO.:312	SEQ.ID.NO.:449	PLT00014333C16.contig.a
HG1015028	SEQ.ID.NO.:126	SEQ.ID.NO.:313		PLT00014333C16.contig.b
HG1015029	SEQ.ID.NO.:127	SEQ.ID.NO.:314	SEQ.ID.NO.:450	PLT00014333C21.contig.a
HG1015030	SEQ.ID.NO.:128	SEQ.ID.NO.:315		PLT00014333C21.contig.b
HG1015031	SEQ.ID.NO.:129	SEQ.ID.NO.:316	SEQ.ID.NO.:451	PLT00014333C24.contig.a
HG1015032	SEQ.ID.NO.:130	SEQ.ID.NO.:317		PLT00014333C24.contig.b
HG1015033	SEQ.ID.NO.:131	SEQ.ID.NO.:318	SEQ.ID.NO.:452	PLT00014333D07.contig.a
HG1015034	SEQ.ID.NO.:132	SEQ.ID.NO.:319		PLT00014333D07.contig.b
HG1015035	SEQ.ID.NO.:133	SEQ.ID.NO.:320	SEQ.ID.NO.:453	PLT00014333D15.contig.a
HG1015036	SEQ.ID.NO.:134	SEQ.ID.NO.:321		CLN00736385
HG1015037	SEQ.ID.NO.:135	SEQ.ID.NO.:322	SEQ.ID.NO.:454	CLN00736561
HG1015038	SEQ.ID.NO.:136	SEQ.ID.NO.:323		CLN00736561
HG1015039	SEQ.ID.NO.:137	SEQ.ID.NO.:324	SEQ.ID.NO.:455	PLT00014333E04.contig.a
HG1015040	SEQ.ID.NO.:138	SEQ.ID.NO.:325	SEQ.ID.NO.:456	PLT00014333E05.contig.a
HG1015041	SEQ.ID.NO.:139	SEQ.ID.NO.:326		PLT00014333E05.contig.b
HG1015042	SEQ.ID.NO.:140	SEQ.ID.NO.:327	SEQ.ID.NO.:457	PLT00014333E14.contig.a
HG1015043	SEQ.ID.NO.:141	SEQ.ID.NO.:328		PLT00014333E14.contig.b
HG1015086	SEQ.ID.NO.:142	SEQ.ID.NO.:329	SEQ.ID.NO.:458	PLT00014333E15.contig.a
HG1015087	SEQ.ID.NO.:143	SEQ.ID.NO.:330		PLT00014333E15.contig.b
HG1015044	SEQ.ID.NO.:144	SEQ.ID.NO.:331	SEQ.ID.NO.:459	PLT00014333E24.contig.b
HG1015045	SEQ.ID.NO.:145	SEQ.ID.NO.:332	SEQ.ID.NO.:460	PLT00014333F07.contig.a
HG1015046	SEQ.ID.NO.:146	SEQ.ID.NO.:333	SEQ.ID.NO.:461	PLT00014333G01.contig.a
HG1015047	SEQ.ID.NO.:147	SEQ.ID.NO.:334	SEQ.ID.NO.:462	PLT00014333G02.contig.a
HG1015048	SEQ.ID.NO.:148	SEQ.ID.NO.:335		PLT00014333G02.contig.b
HG1015088	SEQ.ID.NO.:149	SEQ.ID.NO.:336	SEQ.ID.NO.:463	PLT00014333G09.contig.a
HG1015089	SEQ.ID.NO.:150	SEQ.ID.NO.:337		PLT00014333G09.contig.b
HG1015049	SEQ.ID.NO.:151	SEQ.ID.NO.:338	SEQ.ID.NO.:464	PLT00014333H11.contig.a
HG1015050	SEQ.ID.NO.:152	SEQ.ID.NO.:339	SEQ.ID.NO.:465	PLT00014333H15.contig.a
HG1015051	SEQ.ID.NO.:153	SEQ.ID.NO.:340		PLT00014333H15.contig.b
HG1015052	SEQ.ID.NO.:154	SEQ.ID.NO.:341	SEQ.ID.NO.:466	PLT00014333I18.contig.a
HG1015053	SEQ.ID.NO.:155	SEQ.ID.NO.:342		PLT00014333I18.contig.b
HG1015054	SEQ.ID.NO.:156	SEQ.ID.NO.:343	SEQ.ID.NO.:467	PLT00014333I22.contig.a
HG1015055	SEQ.ID.NO.:157	SEQ.ID.NO.:344		PLT00014333I22.contig.b
HG1015056	SEQ.ID.NO.:158	SEQ.ID.NO.:345	SEQ.ID.NO.:468	PLT00014333J01.contig.a
HG1015057	SEQ.ID.NO.:159	SEQ.ID.NO.:346		PLT00014333J01.contig.b

FP ID	SEQ.ID.NO. (N1)	SEQ.ID.NO. (P1)	SEQ.ID.NO. (N0)	Clone ID
HG1015058	SEQ.ID.NO.:160	SEQ.ID.NO.:347	SEQ.ID.NO.:469	PLT00014333J13.contig.a
HG1015059	SEQ.ID.NO.:161	SEQ.ID.NO.:348		PLT00014333J13.contig.b
HG1015060	SEQ.ID.NO.:162	SEQ.ID.NO.:349	SEQ.ID.NO.:470	PLT00014333J15.contig.a
HG1015061	SEQ.ID.NO.:163	SEQ.ID.NO.:350		PLT00014333J15.contig.b
HG1015062	SEQ.ID.NO.:164	SEQ.ID.NO.:351	SEQ.ID.NO.:471	PLT00014333J17.contig.a
HG1015063	SEQ.ID.NO.:165	SEQ.ID.NO.:352	SEQ.ID.NO.:472	PLT00014333J23.contig.a
HG1015064	SEQ.ID.NO.:166	SEQ.ID.NO.:353		PLT00014333J23.contig.b
HG1015065	SEQ.ID.NO.:167	SEQ.ID.NO.:354	SEQ.ID.NO.:473	PLT00014333K04.contig.a
HG1015066	SEQ.ID.NO.:168	SEQ.ID.NO.:355		PLT00014333K04.contig.b
HG1015067	SEQ.ID.NO.:169	SEQ.ID.NO.:356	SEQ.ID.NO.:474	CLN00625950 CLN00625952 CLN00625956 CLN00625984 CLN00625986 CLN00626567 CLN00626569 CLN00626571 CLN00626573
HG1015068	SEQ.ID.NO.:170	SEQ.ID.NO.:357		CLN00625950 CLN00625952 CLN00625956 CLN00625984 CLN00625986 CLN00626567 CLN00626569 CLN00626571 CLN00626573
HG1015069	SEQ.ID.NO.:171	SEQ.ID.NO.:358	SEQ.ID.NO.:475	PLT00014333L13.contig.b
HG1015070	SEQ.ID.NO.:172	SEQ.ID.NO.:359	SEQ.ID.NO.:476	PLT00014333M01.contig.a
HG1015071	SEQ.ID.NO.:173	SEQ.ID.NO.:360		PLT00014333M01.contig.b
HG1015072	SEQ.ID.NO.:174	SEQ.ID.NO.:361	SEQ.ID.NO.:477	PLT00014333M02.contig.a
HG1015073	SEQ.ID.NO.:175	SEQ.ID.NO.:362		PLT00014333M02.contig.b
HG1015074	SEQ.ID.NO.:176	SEQ.ID.NO.:363	SEQ.ID.NO.:478	CLN00736352
HG1015075	SEQ.ID.NO.:177	SEQ.ID.NO.:364		CLN00736352
HG1015076	SEQ.ID.NO.:178	SEQ.ID.NO.:365	SEQ.ID.NO.:479	PLT00014333M15.contig.a
HG1015077	SEQ.ID.NO.:179	SEQ.ID.NO.:366		PLT00014333M15.contig.b
HG1015078	SEQ.ID.NO.:180	SEQ.ID.NO.:367	SEQ.ID.NO.:480	PLT00014333N05.contig.a
HG1015079	SEQ.ID.NO.:181	SEQ.ID.NO.:368		PLT00014333N05.contig.b
HG1015080	SEQ.ID.NO.:182	SEQ.ID.NO.:369	SEQ.ID.NO.:481	PLT00014333N11.contig.a
HG1015081	SEQ.ID.NO.:183	SEQ.ID.NO.:370		PLT00014333N11.contig.b
HG1015082	SEQ.ID.NO.:184	SEQ.ID.NO.:371	SEQ.ID.NO.:482	PLT00014333O03.contig.a
HG1015083	SEQ.ID.NO.:185	SEQ.ID.NO.:372		PLT00014333O03.contig.b
HG1015084	SEQ.ID.NO.:186	SEQ.ID.NO.:373	SEQ.ID.NO.:483	PLT00014333O10.contig.a
HG1015085	SEQ.ID.NO.:187	SEQ.ID.NO.:374	SEQ.ID.NO.:484	PLT00014333O17.contig.a

Table 2. Structural Characteristics

FP ID	Clone ID	Pred Prot Len	Tree-vote	Mature Protein Coords	Altern Mature Protein Coords	Signal Peptide Coords	TM	TM Coords	Non-TM Coords	Pfam
HG1014903	PLT00014330A02.contig.a	89	0	(1-89)			0		(1-89)	no_pfam
HG1014904	PLT00014330A02.contig.b	87	0	(1-87)			0		(1-87)	no_pfam
HG1014905	PLT00014330A08.contig.a	82	0.55	(27-82)		(1-26)	1	(15-37)	(1-14)(38-82)	no_pfam
HG1014906	PLT00014330A08.contig.b	61	0.62	(24-61)		(6-23)	2	(5-27)(31-53)	(1-4)(28-30)(54-61)	no_pfam
HG1014907	PLT00014330A17.contig.a	66	0.11	(1-66)	(39-66)	(11-38)	0		(1-66)	no_pfam
HG1014908	PLT00014330A20.contig.a	54	0.25	(33-54)		(18-32)	0		(1-54)	no_pfam
HG1014909	PLT00014330B02.contig.a	84	0	(1-84)			0		(1-84)	no_pfam
HG1014910	PLT00014330B02.contig.b	73	0.07	(22-73)	(41-73)	(16-40)	0		(1-73)	no_pfam
HG1014911	PLT00014330B04.contig.a	160	0	(1-160)			0		(1-160)	no_pfam
HG1014912	PLT00014330B04.contig.b	108	0.05	(1-108)	(25-108)	(11-24)	0		(1-108)	no_pfam
HG1014913	PLT00014330B05.contig.a	79	0.02	(1-79)			0		(1-79)	no_pfam
HG1014914	PLT00014330B11.contig.a	68	0.23	(15-68)	(26-68)	(1-25)	0		(1-68)	no_pfam
HG1014915	PLT00014330B13.contig.a	55	0.05	(1-55)	(38-55)	(8-37)	0		(1-55)	no_pfam
HG1014916	PLT00014330B13.contig.b	53	0.01	(1-53)	(20-53)	(1-19)	0		(1-53)	no_pfam
HG1014917	PLT00014330B18.contig.a	74	0.7	(22-74)		(2-21)	0		(1-74)	no_pfam
HG1014918	PLT00014330B18.contig.b	53	0.24	(28-53)	(37-53)	(14-36)	0		(1-53)	no_pfam
HG1014919	PLT00014330C06.contig.a	101	0.53	(20-101)	(44-101)	(19-43)	0		(1-101)	no_pfam
HG1014920	PLT00014330C06.contig.b	65	0.01	(1-65)	(18-65)	(1-17)	0		(1-65)	no_pfam
HG1014921	PLT00014330C12.contig.a	68	0.01	(1-68)	(23-68)	(1-22)	0		(1-68)	no_pfam
HG1014922	PLT00014330C14.contig.a	66	0.02	(1-66)			0		(1-66)	no_pfam
HG1014923	PLT00014330C18.contig.a	64	0	(1-64)	(20-64)	(1-19)	0		(1-64)	no_pfam
HG1014924	PLT00014330C18.contig.b	63	0	(1-63)			0		(1-63)	no_pfam
HG1014925	PLT00014330D03.contig.a	132	0.81	(20-132)		(1-19)	0		(1-132)	no_pfam
HG1014926	PLT00014330D03.contig.b	74	0.43	(37-74)		(15-36)	2	(12-31)(46-68)	(1-11)(32-45)(69-74)	no_pfam
HG1014927	PLT00014330D05.contig.a	60	0.07	(1-60)	(32-60)	(16-31)	0		(1-60)	no_pfam
HG1014928	PLT00014330D05.contig.b	54	0.39	(1-54)	(27-54)	(1-26)	0		(1-54)	no_pfam

FP ID	Clone ID	Pred Prot Len	Tree-vote	Mature Protein Coords	Altern Mature Protein Coords	Signal Peptide Coords	TM	TM Coords	Non-TM Coords	Pfam
HG1014929	PLT00014330D07.contig.a	85	0.03	(4-85)	(1-85)		0		(1-85)	no_pfam
HG1014930	PLT00014330D10.contig.a	79	0.61	(29-79)	(30-79)	(6-29)	0		(1-79)	no_pfam
HG1014931	PLT00014330D10.contig.b	73	0.87	(22-73)	(20-73)	(1-19)	0		(1-73)	no_pfam
HG1014932	PLT00014330D12.contig.a	116	0.01	(1-116)			1	(21-43)	(1-20)(44-116)	no_pfam
HG1014933	PLT00014330D12.contig.b	54	0.24	(24-54)		(1-23)	0		(1-54)	no_pfam
HG1014934	PLT00014330D13.contig.a	60	0	(1-60)			0		(1-60)	no_pfam
HG1014935	PLT00014330D15.contig.a	92	0.01	(1-92)	(21-92)	(6-20)	0		(1-92)	no_pfam
HG1014936	PLT00014330D15.contig.b	89	0.4	(36-89)	(46-89)	(16-45)	1	(12-34)	(1-11)(35-89)	no_pfam
HG1014937	PLT00014330D17.contig.a	96	0.26	(30-96)	(27-96)	(10-26)	0		(1-96)	no_pfam
HG1014938	PLT00014330E04.contig.a	54	0.02	(1-54)			0		(1-54)	no_pfam
HG1014939	PLT00014330E14.contig.a	68	0.02	(1-68)	(19-68)	(1-18)	0		(1-68)	no_pfam
HG1014940	PLT00014330E14.contig.b	61	0	(1-61)	(27-61)	(9-26)	0		(1-61)	no_pfam
HG1014941	PLT00014330E24.contig.a	112	0.01	(1-112)			0		(1-112)	no_pfam
HG1014942	PLT00014330E24.contig.b	62	0.16	(1-62)	(35-62)	(17-34)	1	(15-34)	(1-14)(35-62)	no_pfam
HG1014943	PLT00014330F01.contig.a	77	0	(1-77)			1	(28-45)	(1-27)(46-77)	no_pfam
HG1014944	PLT00014330F03.contig.a	105	0	(1-105)			0		(1-105)	no_pfam
HG1014945	PLT00014330F03.contig.b	71	0.01	(27-71)	(1-71)		0		(1-71)	no_pfam
HG1014946	PLT00014330F04.contig.a	117	0.9	(18-117)	(20-117)	(1-19)	0		(1-117)	no_pfam
HG1014947	PLT00014330F04.contig.b	104	0.09	(25-104)		(1-24)	0		(1-104)	no_pfam
HG1014948	PLT00014330F05.contig.a	50	0.01	(1-50)	(16-50)	(1-15)	0		(1-50)	no_pfam
HG1014949	PLT00014330F13.contig.a	53	0.26	(28-53)		(1-27)	0		(1-53)	no_pfam
HG1014950	PLT00014330G21.contig.a	146	0.16	(28-146)	(29-146)	(6-28)	0		(1-146)	no_pfam
HG1014951	PLT00014330G21.contig.b	53	0.05	(1-53)			1	(20-42)	(1-19)(43-53)	no_pfam
HG1014952	PLT00014330H05.contig.b	97	0.01	(1-97)	(25-97)	(1-24)	0		(1-97)	rvt
HG1014953	PLT00014330H06.contig.a	50	0.16	(1-50)	(32-50)	(16-31)	0		(1-50)	no_pfam
HG1014954	PLT00014330H12.contig.a	86	0.65	(19-86)		(1-18)	0		(1-86)	no_pfam

FP ID	Clone ID	Pred Prot Len	Tree-vote	Mature Protein Coords	Altern Mature Protein Coords	Signal Peptide Coords	TM	TM Coords	Non-TM Coords	Pfam
HG1014955	PLT00014330H12.config.b	76	0.03	(1-76)	(19-76)	(1-18)	0		(1-76)	no pfam
HG1014956	PLT00014330H14.config.a	68	0.2	(38-68)	(17-68)	(1-16)	0		(1-68)	no pfam
HG1014957	PLT00014330H14.config.b	66	0.05	(29-66)	(1-66)		1	(43-62)	(1-42)(63-66)	no pfam
HG1014958	PLT00014330H18.config.a	95	0.94	(21-95)	(19-95)	(1-18)	0		(1-95)	no pfam
HG1014959	PLT00014330H18.config.b	77	0.01	(38-77)	(1-77)		0		(1-77)	no pfam
HG1014960	PLT00014330H11.config.a	62	0.05	(1-62)			1	(31-53)	(1-30)(54-62)	no pfam
HG1014961	PLT00014330H12.config.a	88	0.3	(8-88)	(19-88)	(1-18)	0		(1-88)	no pfam
HG1014962	PLT00014330H12.config.b	66	0.51	(8-66)	(16-66)	(1-15)	2	(4-26)(43-65)	(1-3)(27-42)(66-66)	no pfam
HG1014963	PLT00014330H13.config.a	103	0.04	(1-103)	(41-103)	(17-40)	0		(1-103)	no pfam
HG1014964	PLT00014330H13.config.b	84	0.02	(1-84)	(18-84)	(5-17)	0		(1-84)	no pfam
HG1014965	PLT00014330H10.config.a	130	0.05	(16-130)	(1-130)		0		(1-130)	no pfam
HG1014966	PLT00014330H10.config.b	103	0	(1-103)			0		(1-103)	no pfam
HG1014967	PLT00014330H14.config.a	79	0.02	(32-79)	(1-79)		0		(1-79)	no pfam
HG1014968	PLT00014330H14.config.b	57	0.03	(1-57)	(23-57)	(1-22)	0		(1-57)	no pfam
HG1014969	PLT00014330H15.config.a	68	0.01	(1-68)			0		(1-68)	no pfam
HG1014970	PLT00014330H21.config.a	80	0.1	(1-80)	(25-80)	(10-24)	0		(1-80)	no pfam
HG1014971	PLT00014330H21.config.b	68	0.08	(1-68)	(22-68)	(1-21)	0		(1-68)	no pfam
HG1014972	PLT00014330K01.config.a	73	0	(1-73)			0		(1-73)	no pfam
HG1014973	PLT00014330K08.config.a	99	0.16	(1-99)	(26-99)	(1-25)	1	(73-95)	(1-72)(96-99)	no pfam
HG1014974	PLT00014330K08.config.b	50	0.26	(1-50)	(18-50)	(1-17)	2	(5-27)(32-49)	(1-4)(28-31)(50-50)	no pfam
HG1014975	PLT00014330K09.config.a	100	0.09	(20-100)		(2-19)	0		(1-100)	no pfam
HG1014976	PLT00014330K09.config.b	60	0	(1-60)	(23-60)	(1-22)	0		(1-60)	no pfam
HG1014977	PLT00014330K15.config.a	72	0.01	(1-72)	(26-72)	(2-25)	0		(1-72)	no pfam
HG1014978	PLT00014330K15.config.b	61	0	(1-61)	(33-61)	(9-32)	0		(1-61)	no pfam
HG1014979	PLT00014330K24.config.a	51	0.17	(37-51)	(29-51)	(8-28)	1	(13-35)	(1-12)(36-51)	no pfam
HG1014980	PLT00014330L01.config.a	112	0.13	(37-112)	(19-112)	(1-18)	0		(1-112)	no pfam
HG1014981	PLT00014330M02.config.a	106	0.01	(1-106)			0		(1-106)	no pfam
HG1014982	PLT00014330M02.config.b	88	0.27	(1-88)	(19-88)	(1-18)	0		(1-88)	no pfam
HG1014983	PLT00014330M08.config.a	72	0.46	(32-72)		(18-31)	1	(45-67)	(1-44)(68-72)	no pfam



FP ID	Clone ID	Pred Prot Len	Tree-vote	Mature Protein Coords	Altern Mature Protein Coords	Signal Peptide Coords	TM	TM Coords	Non-TM Coords	Pfam
HG1014984	PLT00014330M08.contig.b	52	0.29	(31-52)		(17-30)	1	(20-42)	(1-19)(43-52)	no_pfam
HG1014985	PLT00014330M15.contig.a	53	0.07	(1-53)	(53-53)	(19-52)	0		(1-53)	no_pfam
HG1014986	PLT00014330M17.contig.a	110	0.13	(1-110)	(21-110)	(1-20)	0		(1-110)	no_pfam
HG1014987	PLT00014330M17.contig.b	82	0.45	(29-82)	(30-82)	(16-29)	0		(1-82)	no_pfam
HG1014988	PLT00014330N10.contig.a	75	0.15	(38-75)		(18-37)	1	(20-42)	(1-19)(43-75)	no_pfam
HG1014989	PLT00014330N10.contig.b	68	0	(1-68)	(22-68)	(1-21)	0		(1-68)	no_pfam
HG1014990	PLT00014330N12.contig.a	56	0	(1-56)	(33-56)	(18-32)	0		(1-56)	no_pfam
HG1014991	PLT00014330N12.contig.b	56	0	(1-56)	(20-56)	(1-19)	0		(1-56)	no_pfam
HG1014992	PLT00014330N13.contig.a	83	0.87	(23-83)	(20-83)	(1-19)	1	(4-26)	(1-3)(27-83)	no_pfam
HG1014993	PLT00014330N13.contig.b	55	0.29	(28-55)	(29-55)	(14-28)	1	(10-32)	(1-9)(33-55)	no_pfam
HG1014994	PLT00014330N22.contig.a	74	0.02	(1-74)	(33-74)	(19-32)	0		(1-74)	no_pfam
HG1014995	PLT00014330N22.contig.b	57	0.12	(1-57)	(20-57)	(1-19)	0		(1-57)	no_pfam
HG1014996	PLT00014330O03.contig.a	70	0.32	(1-70)	(19-70)	(5-18)	1	(7-29)	(1-6)(30-70)	no_pfam
HG1014997	PLT00014330O07.contig.a	78	0	(1-78)			0		(1-78)	no_pfam
HG1014998	PLT00014330O07.contig.b	73	0.06	(1-73)	(33-73)	(19-32)	0		(1-73)	no_pfam
HG1014999	PLT00014330P07.contig.a	85	0.03	(1-85)	(33-85)	(1-32)	0		(1-85)	no_pfam
HG1015000	PLT00014330P07.contig.b	61	0.05	(34-61)	(32-61)	(1-31)	0		(1-61)	no_pfam
HG1015001	PLT00014330P09.contig.a	101	0.17	(1-101)	(33-101)	(13-32)	0		(1-101)	no_pfam
HG1015002	PLT00014330P09.contig.b	98	0.01	(1-98)			0		(1-98)	no_pfam
HG1015003	PLT00014330P15.contig.a	61	0.02	(1-61)			0		(1-61)	no_pfam
HG1015004	PLT00014330L24.contig.a	50	0.17	(38-50)	(34-50)	(1-33)	0		(1-50)	no_pfam
HG1015005	PLT00014330O18.contig.a	82	0	(1-82)			0		(1-82)	no_pfam
HG1015006	PLT00014330O18.contig.b	66	0	(1-66)			0		(1-66)	no_pfam
HG1015007	PLT00014333A03.contig.a	83	0.08	(1-83)	(39-83)	(19-38)	1	(15-37)	(1-14)(38-83)	no_pfam
HG1015008	PLT00014333A03.contig.b	64	0.1	(30-64)	(29-64)	(11-28)	0		(1-64)	no_pfam

FP ID	Clone ID	Pred Prot Len	Tree-vote	Mature Protein Coords	Altern Mature Protein Coords	Signal Peptide Coords	TM	TM Coords	Non-TM Coords	Pfam
HG1015009	PLT00014333A06.contig.a	153	0.01	(1-153)			0		(1-153)	no_pfam
HG1015010	PLT00014333A06.contig.b	66	0.13	(35-66)	(33-66)	(18-32)	0		(1-66)	no_pfam
HG1015011	PLT00014333A08.contig.a	66	0.26	(1-66)	(22-66)	(1-21)	0		(1-66)	no_pfam
HG1015012	PLT00014333A15.contig.a	136	0.03	(1-136)			0		(1-136)	no_pfam
HG1015013	PLT00014333A15.contig.b	67	0.8	(38-67)	(35-67)	(17-34)	0		(1-67)	no_pfam
HG1015014	PLT00014333A16.contig.a	51	0.02	(1-51)			0		(1-51)	no_pfam
HG1015015	PLT00014333A16.contig.b	50	0.46	(25-50)	(41-50)	(16-40)	0		(1-50)	no_pfam
HG1015016	PLT00014333B03.contig.a	63	0.02	(1-63)			0		(1-63)	no_pfam
HG1015017	PLT00014333B03.contig.b	50	0	(1-50)	(15-50)	(1-14)	0		(1-50)	no_pfam
HG1015018	PLT00014333B05.contig.a	55	0.05	(1-55)			1	(29-51)	(1-28)(52-55)	no_pfam
HG1015019	PLT00014333B05.contig.b	53	0.49	(1-53)	(18-53)	(1-17)	0		(1-53)	no_pfam
HG1015020	PLT00014333B15.contig.a	53	0	(1-53)	(28-53)	(3-27)	0		(1-53)	no_pfam
HG1015021	PLT00014333B17.contig.a	76	0.35	(16-76)		(1-15)	0		(1-76)	no_pfam
HG1015022	PLT00014333B17.contig.b	65	0.01	(1-65)			1	(42-64)	(1-41)(65-65)	no_pfam
HG1015023	PLT00014333C02.contig.a	77	0.03	(1-77)			0		(1-77)	no_pfam
HG1015024	PLT00014333C02.contig.b	51	0.77	(22-51)		(8-21)	1	(12-34)	(1-11)(35-51)	no_pfam
HG1015025	PLT00014333C10.contig.a	99	0.33	(1-99)	(50-99)	(19-49)	0		(1-99)	no_pfam
HG1015026	PLT00014333C10.contig.b	92	0.21	(18-92)	(20-92)	(1-19)	0		(1-92)	no_pfam
HG1015027	PLT00014333C16.contig.a	363	0.04	(1-363)	(15-363)	(1-14)	0		(1-363)	no_pfam
HG1015028	PLT00014333C16.contig.b	86	0.24	(1-86)	(27-86)	(1-26)	0		(1-86)	no_pfam
HG1015029	PLT00014333C21.contig.a	82	0.49	(1-82)	(49-82)	(19-48)	0		(1-82)	no_pfam
HG1015030	PLT00014333C21.contig.b	77	0.03	(1-77)	(28-77)	(9-27)	0		(1-77)	no_pfam
HG1015031	PLT00014333C24.contig.a	94	0.11	(1-94)	(30-94)	(15-29)	1	(10-32)	(1-9)(33-94)	no_pfam
HG1015032	PLT00014333C24.contig.b	88	0	(1-88)			2	(34-56)(61-78)	(1-33)(57-60)(79-88)	no_pfam
HG1015033	PLT00014333D07.contig.a	73	0.02	(1-73)	(21-73)	(1-20)	0		(1-73)	no_pfam

FP ID	Clone ID	Pred Prot Len	Tree-vote	Mature Protein Coords	Altern Mature Protein Coords	Signal Peptide Coords	TM	TM Coords	Non-TM Coords	Pfam
HG1015034	PLT00014333D07.contig.b	67	0.23	(1-67)	(32-67)	(1-31)	0		(1-67)	no pfam
HG1015035	PLT00014333D15.contig.a	64	0.11	(32-64)	(31-64)	(16-30)	0		(1-64)	no pfam
HG1015036	PLT00014333D15.contig.b	62	0.29	(34-62)	(31-62)	(5-30)	2	(13-32)(42-61)	(1-12)(33-41)(62-62)	no pfam
HG1015037	PLT00014333E01.contig.a	73	0	(36-73)	(1-73)		1	(26-48)	(1-25)(49-73)	no pfam
HG1015038	PLT00014333E01.contig.b	67	0.51	(35-67)	(26-67)	(8-25)	1	(10-32)	(1-9)(33-67)	no pfam
HG1015039	PLT00014333E04.contig.a	53	0.01	(1-53)			0		(1-53)	no pfam
HG1015040	PLT00014333E05.contig.a	66	0.01	(1-66)	(25-66)	(8-24)	0		(1-66)	no pfam
HG1015041	PLT00014333E05.contig.b	57	0.03	(1-57)	(45-57)	(1-44)	0		(1-57)	no pfam
HG1015042	PLT00014333E14.contig.a	108	0.01	(1-108)			0		(1-108)	no pfam
HG1015043	PLT00014333E14.contig.b	61	0.24	(26-61)	(29-61)	(14-28)	0		(1-61)	no pfam
HG1015044	PLT00014333E24.contig.b	91	0.01	(1-91)	(32-91)	(18-31)	0		(1-91)	Trans- posase 1
HG1015045	PLT00014333F07.contig.a	52	0	(1-52)	(17-52)	(1-16)	0		(1-52)	no pfam
HG1015046	PLT00014333G01.contig.a	69	0.24	(1-69)	(33-69)	(14-32)	0		(1-69)	no pfam
HG1015047	PLT00014333G02.contig.a	77	0.03	(19-77)	(1-77)		0		(1-77)	no pfam
HG1015048	PLT00014333G02.contig.b	57	0	(1-57)			0		(1-57)	no pfam
HG1015049	PLT00014333H11.contig.a	95	0.03	(1-95)	(36-95)	(12-35)	0		(1-95)	no pfam
HG1015050	PLT00014333H15.contig.a	90	0.23	(35-90)		(1-34)	0		(1-90)	no pfam
HG1015051	PLT00014333H15.contig.b	60	0	(1-60)			0		(1-60)	no pfam
HG1015052	PLT00014333I18.contig.a	58	0.69	(22-58)	(34-58)	(12-33)	1	(7-29)	(1-6)(30-58)	no pfam
HG1015053	PLT00014333I18.contig.b	50	0.77	(22-50)		(1-21)	0		(1-50)	no pfam
HG1015054	PLT00014333I22.contig.a	70	0.08	(1-70)	(19-70)	(1-18)	0		(1-70)	no pfam
HG1015055	PLT00014333I22.contig.b	54	0.96	(23-54)	(25-54)	(1-24)	1	(6-28)	(1-5)(29-54)	no pfam
HG1015056	PLT00014333J01.contig.a	84	0.03	(1-84)	(35-84)	(19-34)	0		(1-84)	no pfam
HG1015057	PLT00014333J01.contig.b	66	0.08	(32-66)	(33-66)	(1-32)	0		(1-66)	no pfam
HG1015058	PLT00014333J13.contig.a	106	0.02	(1-106)			1	(46-68)	(1-45)(69-106)	no pfam
HG1015059	PLT00014333J13.contig.b	93	0.06	(37-93)	(1-93)		0		(1-93)	no pfam
HG1015060	PLT00014333J15.contig.a	63	0.12	(1-63)	(17-63)	(1-16)	0		(1-63)	no pfam

FP ID	Clone ID	Pred Prot Len	Tree-vote	Mature Protein Coords	Altern Mature Protein Coords	Signal Peptide Coords	TM	TM Coords	Non-TM Coords	Pfam
HG1015061	PLT00014333J15.contig.b	62	0.18	(1-62)	(22-62)	(7-21)	1	(20-42)	(1-19)(43-62)	no_pfam
HG1015062	PLT00014333J17.contig.a	88	0	(1-88)	(36-88)	(16-35)	0		(1-88)	no_pfam
HG1015063	PLT00014333J23.contig.a	66	0.05	(1-66)	(16-66)	(1-15)	0		(1-66)	no_pfam
HG1015064	PLT00014333J23.contig.b	57	0.33	(1-57)	(31-57)	(14-30)	0		(1-57)	no_pfam
HG1015065	PLT00014333K04.contig.a	131	0.01	(1-131)			0		(1-131)	Gag_p24
HG1015066	PLT00014333K04.contig.b	125	0.14	(1-125)	(19-125)	(1-18)	0		(1-125)	integrase
HG1015067	PLT00014333K08.contig.a	69	0.19	(1-69)	(34-69)	(19-33)	1	(28-50)	(1-27)(51-69)	no_pfam
HG1015068	PLT00014333K08.contig.b	63	0.17	(21-63)		(1-20)	0		(1-63)	no_pfam
HG1015069	PLT00014333L13.contig.b	52	0	(1-52)			0		(1-52)	rnaseH
HG1015070	PLT00014333M01.contig.a	110	0.29	(1-110)	(20-110)	(1-19)	1	(86-108)	(1-85)(109-110)	no_pfam
HG1015071	PLT00014333M01.contig.b	68	0.01	(1-68)	(18-68)	(1-17)	1	(41-63)	(1-40)(64-68)	no_pfam
HG1015072	PLT00014333M02.contig.a	101	0.01	(38-101)	(43-101)	(12-42)	0		(1-101)	no_pfam
HG1015073	PLT00014333M02.contig.b	50	0	(1-50)	(14-50)	(1-13)	0		(1-50)	no_pfam
HG1015074	PLT00014333M07.contig.a	70	0.26	(37-70)	(30-70)	(4-29)	1	(13-35)	(1-12)(36-70)	no_pfam
HG1015075	PLT00014333M07.contig.b	58	0.62	(15-58)	(16-58)	(1-15)	0		(1-58)	no_pfam
HG1015076	PLT00014333M15.contig.a	80	0.04	(1-80)	(42-80)	(18-41)	0		(1-80)	no_pfam
HG1015077	PLT00014333M15.contig.b	54	0.08	(1-54)	(42-54)	(18-41)	0		(1-54)	no_pfam
HG1015078	PLT00014333N05.contig.a	73	0.1	(5-73)	(15-73)	(1-14)	0		(1-73)	no_pfam
HG1015079	PLT00014333N05.contig.b	70	0.45	(35-70)	(39-70)	(5-38)	0		(1-70)	no_pfam
HG1015080	PLT00014333N11.contig.a	95	0.01	(1-95)	(30-95)	(15-29)	0		(1-95)	no_pfam
HG1015081	PLT00014333N11.contig.b	69	0.03	(9-69)	(22-69)	(5-21)	0		(1-69)	no_pfam
HG1015082	PLT00014333O03.contig.a	72	0.21	(3-72)	(28-72)	(14-27)	0		(1-72)	no_pfam
HG1015083	PLT00014333O03.contig.b	55	0.01	(1-55)	(25-55)	(10-24)	0		(1-55)	no_pfam
HG1015084	PLT00014333O10.contig.a	55	0.06	(4-55)	(15-55)	(1-14)	0		(1-55)	no_pfam
HG1015085	PLT00014333O17.contig.a	71	0.11	(1-71)	(20-71)	(1-19)	0		(1-71)	no_pfam

FP ID	Clone ID	Pred Prot Len	Tree- vote	Mature Protein Coords	Altern Mature Protein Coords	Signal Peptide Coords	TM	TM Coords	Non-TM Coords	Pfam
HG1015086	PLT00014333E15.contig.a	92	0.49	(20-92)		(1-19)	1	(5-27)	(1-4)(28-92)	no_pfam
HG1015087	PLT00014333E15.contig.b	78	0.01	(1-78)			1	(52-71)	(1-51)(72-78)	no_pfam
HG1015088	PLT00014333G09.contig.a	125	0	(1-125)			0		(1-125)	no_pfam
HG1015089	PLT00014333G09.contig.b	63	0.11	(1-63)	(41-63)	(18-40)	0		(1-63)	no_pfam

Table 3. Similarity to Known Sequences

FP ID	Clone ID	Top Hit Accession ID	Top Hit Annotation	Top Hit % ID	Top Human Hit Accession ID	Top Human Hit Annotation	Top Human Hit % ID
HG1014903	PLT00014330A02.contig.a	gi 34529187 dbj  BAC85656.1	unnamed protein product [Homo sapiens]	59	gi 34529187 dbj  BAC85656.1	unnamed protein product [Homo sapiens]	59
HG1014910	PLT00014330B02.contig.b	gi 7770237 gb A AF69654.1	PRO2822 [Homo sapiens]	76	gi 7770237 gb A AF69654.1	PRO2822 [Homo sapiens]	76
HG1014914	PLT00014330B11.contig.a	gi 38085361 ref  XP_355822.1	similar to RIKEN cDNA 6330419J24 gene [Mus musculus]	80		no_human_hit	
HG1014933	PLT00014330D12.contig.b	gi 8923214 ref  NP_060190.1	signal-transducing adaptor protein-2; brk kinase substrate [Homo sapiens] gi 7020193 dbj BAA91 028.1  unnamed protein product [Homo sapiens]	57	gi 8923214 ref  NP_060190.1	signal-transducing adaptor protein-2; brk kinase substrate [Homo sapiens] gi 7020193 dbj BAA 91028.1  unnamed protein product [Homo sapiens]	57
HG1014948	PLT00014330F05.contig.a	gi 34534372 dbj  BAC86987.1	unnamed protein product [Homo sapiens]	56	gi 34534372 dbj  BAC86987.1	unnamed protein product [Homo sapiens]	56
HG1014952	PLT00014330H05.contig.b	gi 2981631 dbj  BAA25253.1	ORF2 [Canis familiaris]	58	no_human_hit		

FP ID	Clone ID	Top Hit Accession ID	Top Hit Annotation	Top Hit % ID	Top Human Hit Accession ID	Top Human Hit Annotation	Top Human Hit % ID
HG1014958	PLT00014330H18.contig.a	gi 13310191 gb  AAK18189.1	recombinant envelope protein [multiple sclerosis associated retrovirus element]	52	no_human_hit		
HG1014971	PLT00014330J21.contig.b	gi 235033335 ref  NP_694983.1	hypothetical protein FLJ25952 [Homo sapiens] gi 21758947 dbj BAC0 5422.1  unnamed protein product [Homo sapiens]	64	gi 235033335 ref  NP_694983.1	hypothetical protein FLJ25952 [Homo sapiens] gi 21758947 dbj BAC0 5422.1  unnamed protein product [Homo sapiens]	64
HG1014975	PLT00014330K09.contig.a	gi 34528691 dbj  BAC85556.1	unnamed protein product [Homo sapiens]	56	gi 34528691 dbj  BAC85556.1	unnamed protein product [Homo sapiens]	56
HG1014977	PLT00014330K15.contig.a	gi 34533624 dbj  BAC86755.1	unnamed protein product [Homo sapiens]	81	gi 34533624 dbj  BAC86755.1	unnamed protein product [Homo sapiens]	81
HG1014983	PLT00014330M08.contig.a	gi 21754422 dbj  BAC04501.1	unnamed protein product [Homo sapiens]	55	gi 21754422 dbj  BAC04501.1	unnamed protein product [Homo sapiens]	55
HG1014992	PLT00014330N13.contig.a	gi 37182643 gb  AAQ89122.1	DRDL5813 [Homo sapiens]	56	gi 37182643 gb  AAQ89122.1	DRDL5813 [Homo sapiens]	56
HG1015030	PLT00014333C21.contig.b	gi 18027736 gb  AAL55829.1	unknown [Homo sapiens]	87	gi 18027736 gb  AAL55829.1	unknown [Homo sapiens]	87

FP ID	Clone ID	Top Hit Accession ID	Top Hit Annotation	Top Hit % ID	Top Human Hit Accession ID	Top Human Hit Annotation	Top Human Hit % ID
HG1015044	PLT00014333E24.contig.b	gi 1698455 gb A AC52011.1	mariner transposase [Homo sapiens]	79	gi 1698455 gb A AC52011.1	mariner transposase [Homo sapiens]	79
HG1015082	PLT00014333O03.contig.a	gi 21754422 dbj  BAC04501.1	unnamed protein product [Homo sapiens]	75	gi 21754422 dbj  BAC04501.1	unnamed protein product [Homo sapiens]	75



Table 4 Structural Characteristics and Tissue Source

FP ID	Clone ID	Tissue Source	Pred Prot Len	Tree-vote	Signal Peptide Coords	Mature Protein Coords	Altern Signal Peptide Coords	Altern Mature Protein Coords	TM	TM Coords	Non-TM Coords
HG1014905	CLN00082984	Muscle, Muscle Pool	82	0.55		(1-82)	(14-26)	(27-82)	1	(15-37)	(1-14)(38-82)
HG1014906	CLN00082984	Muscle, Muscle Pool	61	0.62	(6-23)	(24-61)	(11-23)	(24-61)	2	(5-27)(31-53)	(1-4)(28-30)(54-61)
HG1014917	CLN00142812	Colon	74	0.7	(2-21)	(22-74)	(9-21)	(22-74)	0		(1-74)
HG1014918	CLN00142812	Colon	53	0.24		(1-53)	(15-27)	(28-53)	0		(1-53)
HG1014919	CLN00077158	Intestine, Pancreas, Pancreas Pool, Stomach, Stomach pool, Trachea, Trachea pool	101	0.53	(21-45)	(46-101)			0		(1-101)
HG1014925	CLN00059368	Kidney	132	0.81	(1-19)	(20-132)			0		(1-132)
HG1014926	CLN00059368	Kidney	74	0.43	(15-36)	(37-74)			2	(12-31)(46-68)	(1-11)(32-45)(69-74)
HG1014930	CLN00156143	Testis, Testis Pool	79	0.61	(6-29)	(30-79)	(16-28)	(29-79)	0		(1-79)
HG1014931	CLN00156143	Testis, Testis Pool	73	0.87	(1-19)	(20-73)	(9-21)	(22-73)	0		(1-73)
HG1014932	CLN00062536	Kidney	116	0.01		(1-116)			1	(21-43)	(1-20)(44-116)
HG1014936	CLN00163455	Prostate, Prostate Pool	89	0.4	(22-35)	(36-89)	(9-21)(23-35)	(22-89)(36-89)	1	(12-34)	(1-11)(35-89)
HG1014937	CLN00139538	Breast	96	0.26	(10-26)	(27-96)	(17-29)	(30-96)	0		(1-96)
HG1014942	CLN00051182	Bladder, Brain, Brain Pool, Lung, Lung Pool, Spleen, Spleen Pool, Thymus, Thymus pool	62	0.16		(1-62)			1	(15-34)	(1-14)(35-62)
HG1014943	CLN00018119	Intestine, Pancreas, Pancreas Pool, Stomach, Stomach pool, Trachea, Trachea pool	77	0		(1-77)			1	(28-45)	(1-27)(46-77)

FP ID	Clone ID	Tissue Source	Pred Prot Len	Tree-vote	Signal Peptide Coords	Mature Protein Coords	Altern Signal Peptide Coords	Altern Mature Protein Coords	TM	TM Coords	Non-TM Coords
HG1014946	CLN00156600	Testis, Testis Pool	117	0.9	(1-19)	(20-117)	(5-17)	(18-117)	0		(1-117)
HG1014949	CLN00010970	Bone Marrow, Bone Marrow Pool, Liver	53	0.26	(1-27)	(28-53)	(15-27)	(28-53)	0		(1-53)
HG1014951	CLN00148049	Cord Blood, Cord Blood Pool, Placenta, Placenta Pool	53	0.05		(1-53)			1	(20-42)	(1-19)(43-53)
HG1014954	CLN00118656	Bladder, Brain, Brain Pool, Lung, Lung Pool, Spleen, Spleen Pool, Thymus, Thymus pool	86	0.65	(1-18)	(19-86)			0		(1-86)
HG1014957	CLN00185900	Breast	66	0.05		(1-66)	(16-28)	(29-66)	1	(43-62)	(1-42)(63-66)
HG1014958	CLN00185984	Breast	95	0.94	(1-18)	(19-95)	(8-20)	(21-95)	0		(1-95)
HG1014960	CLN00020358	Intestine, Pancreas, Pancreas Pool, Stomach, Stomach pool, Trachea, Trachea pool	62	0.05		(1-62)			1	(31-53)	(1-30)(54-62)
HG1014962	CLN00149057	Breast	66	0.51	(1-15)	(16-66)	(8-14)(2-8)(1-7)	(15-66)(9-66)(8-66)	2	(4-26)(43-65)	(1-3)(27-42)(66-66)
HG1014973	CLN00051702	no tissue source found	99	0.16		(1-99)			1	(73-95)	(1-72)(96-99)
HG1014974	CLN00051702	no tissue source found	50	0.26		(1-50)			2	(5-27)(32-49)	(1-4)(28-31)(50-50)
HG1014975	CLN00041527	Adrenal Gland, Adrenal Gland Pool	100	0.09		(1-100)	(7-19)	(20-100)	0		(1-100)
HG1014979	CLN00109327	Liver	51	0.17		(1-51)			1	(13-35)	(1-12)(36-51)
HG1014983	CLN00054904	Bladder, Brain, Brain Pool, Lung, Lung Pool, Spleen, Spleen Pool,	72	0.46	(18-31)	(32-72)	(21-33)(19-31)	(34-72)(32-72)	1	(45-67)	(1-44)(68-72)

FP ID	Clone ID	Tissue Source	Pred Prot Len	Tree-vote	Signal Peptide Coords	Mature Protein Coords	Altern Signal Peptide Coords	Altern Mature Protein Coords	TM	TM Coords	Non-TM Coords
HG1014984	CLN00054904	Thymus, Thymus pool	52	0.29		(1-52)	(18-30)	(31-52)	1	(20-42)	(1-19)(43-52)
HG1014987	CLN00138883	Bladder, Brain, Brain Pool, Lung, Lung Pool, Spleen, Spleen Pool, Thymus, Thymus pool	82	0.45	(16-29)	(30-82)	(16-28)	(29-82)	0		(1-82)
HG1014988	CLN00113699	Intestine, Pancreas, Pancreas Pool, Stomach, Stomach pool, Trachea, Trachea pool	75	0.15	(23-40)	(41-75)			1	(20-42)	(1-19)(43-75)
HG1014992	CLN00155027	Bladder, Brain, Brain Pool, Lung, Lung Pool, Spleen, Spleen Pool, Thymus, Thymus pool	83	0.87	(1-19)	(20-83)	(10-22)	(23-83)	1	(4-26)	(1-3)(27-83)
HG1014993	CLN00155027	Testis, Testis Pool	55	0.29		(1-55)			1	(10-32)	(1-9)(33-55)
HG1014996	CLN00042242	Muscle, Muscle Pool	70	0.32	(5-18)	(19-70)			1	(7-29)	(1-6)(30-70)
HG1015004	CLN00116255	Bladder, Brain, Brain Pool, Lung, Lung Pool, Spleen, Spleen Pool, Thymus, Thymus pool	50	0.17	(23-37)	(38-50)	(21-33) (25-37)	(34-50) (38-50)	0		(1-50)
HG1015007	CLN00200943	Prostate, Prostate Pool	83	0.08		(1-83)			1	(15-37)	(1-14)(38-83)
HG1015010	CLN00123672	Intestine, Pancreas, Pancreas Pool, Stomach, Stomach pool, Trachea, Trachea pool	66	0.13		(1-66)	(22-34)	(35-66)	0		(1-66)
HG1015013	CLN00197177	Prostate Pool, Prostate	67	0.8	(17-34)	(35-67)			0		(1-67)
HG1015015	CLN00195394	Lung, Lung Pool	50	0.46	(16-40)	(41-50)	(25-37) (12-24)	(38-50) (25-50)	0		(1-50)
HG1015018	CLN00191228	Lung, Lung Pool	55	0.05		(1-55)			1	(29-51)	(1-28)(52-)

FP ID	Clone ID	Tissue Source	Pred Prot Len	Tree-vote	Signal Peptide Coords	Mature Protein Coords	Altern Signal Peptide Coords	Altern Mature Protein Coords	TM	TM Coords	Non-TM Coords
HG1015019	CLN00191228	Lung, Lung Pool	53	0.49	(23-46)	(47-53)			0		(1-53)
HG1015022	CLN00192344	Lung, Lung Pool	65	0.01		(1-65)			1	(42-64)	(1-41)(65-65)
HG1015024	CLN00236321	Tonsil, Tonsil pool	51	0.77		(1-51)	(9-21)	(22-51)	1	(12-34)	(1-11)(35-51)
HG1015031	CLN00041415	Adrenal Gland, Adrenal Gland Pool	94	0.11		(1-94)			1	(10-32)	(1-9)(33-94)
HG1015032	CLN00041415	Adrenal Gland, Adrenal Gland Pool	88	0		(1-88)			2	(34-56)(61-78)	(1-33)(57-60)(79-88)
HG1015036	CLN00081508	Muscle Pool, Muscle	62	0.29		(1-62)			2	(13-32)(42-61)	(1-12)(33-41)(62-62)
HG1015037	CLN00114957	Bladder, Brain, Brain Pool, Lung, Lung Pool, Spleen, Spleen Pool, Thymus, Thymus pool	73	0		(1-73)			1	(26-48)	(1-25)(49-73)
HG1015038	CLN00114957	Bladder, Brain, Brain Pool, Lung, Lung Pool, Spleen, Spleen Pool, Thymus, Thymus pool	67	0.51	(8-25)	(26-67)			1	(10-32)	(1-9)(33-67)
HG1015047	CLN00123946	Intestine, Pancreas, Pancreas Pool, Stomach, Stomach pool, Trachea, Trachea pool	77	0.03		(1-77)	(6-18)	(19-77)	0		(1-77)
HG1015050	CLN00024579	Bone Marrow, Bone Marrow Pool, Liver	90	0.23	(1-34)	(35-90)	(24-36)(22-34)	(37-90)(35-90)	0		(1-90)
HG1015052	CLN00195792	Lung, Lung Pool	58	0.69	(12-33)	(34-58)	(5-17)(14-26)(9-21)	(18-58)(27-58)(22-58)	1	(7-29)	(1-6)(30-58)
HG1015053	CLN00195792	Lung, Lung Pool	50	0.77	(1-21)	(22-50)	(9-21)	(22-50)	0		(1-50)
HG1015055	CLN00199902	Prostate, Prostate Pool	54	0.96	(1-24)	(25-54)	(10-22)	(23-54)	1	(6-28)	(1-5)(29-54)

FP ID	Clone ID	Tissue Source	Pred Prot Len	Tree-vote	Signal Peptide Coords	Mature Protein Coords	Altern Signal Peptide Coords	Altern Mature Protein Coords	TM	TM Coords	Non-TM Coords
HG1015058	CLN00023292	Bone Marrow, Bone Marrow Pool, Liver	106	0.02		(1-106)			1	(46-68)	(1-45)(69-106)
HG1015061	CLN00168841	Tonsil, Tonsil pool	62	0.18		(1-62)			1	(20-42)	(1-19)(43-62)
HG1015067	CLN00197776	Prostate, Prostate Pool	69	0.19		(1-69)			1	(28-50)	(1-27)(51-69)
HG1015068	CLN00197776	Prostate, Prostate Pool	63	0.17		(1-63)	(8-20)	(21-63)	0		(1-63)
HG1015070	CLN00198831	Prostate, Prostate Pool	110	0.29	(1-19)	(20-110)			1	(86-108)	(1-85)(109-110)
HG1015071	CLN00198831	Prostate, Prostate Pool	68	0.01		(1-68)			1	(41-63)	(1-40)(64-68)
HG1015074	CLN00202085	Colon	70	0.26	(22-36)	(37-70)	(24-36)	(37-70)	1	(13-35)	(1-12)(36-70)
HG1015075	CLN00202085	Colon	58	0.62	(1-15)	(16-58)			0		(1-58)
HG1015079	CLN00243977	Tonsil, Tonsil pool	70	0.45	(5-38)	(39-70)			0		(1-70)
HG1015086	CLN00226626	Skin, Skin Pool	92	0.49		(1-92)			1	(5-27)	(1-4)(28-92)
HG1015087	CLN00226626	Skin, Skin Pool	78	0.01		(1-78)			1	(52-71)	(1-51)(72-78)

Table 5. Subclone Identification and Similarity to Known Sequences

FP ID	Clone ID	Pred Prot Len	Tree-vote	TM	Top Hit Annotation	Top Hit Len	Top Hit Len # AA	% ID Mat (QL)	% ID Mat (HL)	Top Hum Hit Len	Top Hum Hit Len # AA	% ID Mat (QL)	% ID Mat (HL)	Sub-clone Type	Sub-clone ID
HG101 4905	CLN00 082984	82	0.55	1	unnamed protein product [Mus musculus]	161	42	51%	26%	177	38	46%	21%	pTT5	CLN00 736344
HG101 4906	CLN00 082984	61	0.62	2	unnamed protein product [Homo sapiens]	198	23	38%	12%	198	23	38%	12%	pTT5	CLN00 736344
HG101 4917	CLN00 142812	74	0.7	0										pTT5	CLN00 736494
HG101 4919	CLN00 077158	101	0.53	0	unnamed protein product [Homo sapiens]	161	49	49%	30%	161	49	49%	30%		
HG101 4925	CLN00 059368	132	0.81	0										pTT5	CLN00 736483
HG101 4926	CLN00 059368	74	0.43	2	Legionella vir homologue protein [Legionella pneumophila str. Lens]	633	23	31%	4%					pTT5	CLN00 736483

HG101 4930	CLN00 156143	79	0.61	0	elongation protein 4 homolog [Homo sapiens]	535	42	53%	8%	pTT5	CLN00 736320
HG101 4931	CLN00 156143	73	0.87	0						pTT5	CLN00 736320
HG101 4932	CLN00 062536	116	0.01	1	PRO0898 [Homo sapiens]	111	45	39%	41%	pTT5	CLN00 736408
HG101 4942	CLN00 051182	62	0.16	1	Unknown (protein for IMAGE:712 2468) [Rattus norvegicus]	591	24	39%	4%		
HG101 4946	CLN00 156600	117	0.9	0	HERV- R_7q21.2 provirus ancestral Env polyprotein precursor (Envelope polyprotein) (ERV3 envelope protein) (ERV-3 envelope protein) (HERV-R envelope protein) (ERV-R envelope protein)	604	75	64%	12%	pTT5	CLN00 736568

									protein) [Contains: Surface protein (SU); Transmembrane protein (TM)]										
HG101 4949	CLN00 010970	53	0.26	0					KIAA1822 protein [Homo sapiens]	533	25	47%	5%						
HG101 4951	CLN00 148049	53	0.05	1					unnamed protein product [Mus musculus]	141	16	30%	11%						
HG101 4954	CLN00 118656	86	0.65	0					OSJNBa001 6O02.7 [Oryza sativa (japonica cultivar- group)] gi 38606520  emb CAE05 997.2  OSJNBa001 6O02.7 [Oryza sativa (japonica cultivar- group)]	484	33	38%	7%					pTT5	CLN00 736486
HG101 4958	CLN00 185984	95	0.94	0					recombinant envelope	542	54	57%	10%					pTT5	CLN00 736439



HG101 4960	CLN00 020358	62	0.05	1	protein [multiple sclerosis associated retrovirus element]	118	21	34%	18%	unnamed protein product [Homo sapiens]	124	36	36%	29%				
HG101 4962	CLN00 149057	66	0.51	2	hypothetical protein hcl - mouse (fragment) gi 133929 e mb CAA469 91.1  unnamed protein product [Mus musculus]	1667	20	30%	1%	PREDICTE D: similar to MGC68847 protein [Gallus gallus]	124	36	36%	29%				
HG101 4973	CLN00 051702	99	0.16	1	unnamed protein product [Homo sapiens] gi 34531176  dbj BAC860 70.1  unnamed protein product [Homo]					unnamed protein product [Homo sapiens]								

[illegible]

4979	109327											dehydrogenase subunit 5 [Luciola lateralis]									
HG101 4983	CLN00 054904	72	0.46	1			129	41	57%	32%		unnamed protein product [Homo sapiens]	129	41	57%	32%					
HG101 4984	CLN00 054904	52	0.29	1			59	16	31%	27%		hypothetical protein MYPE2715 [Mycoplasma penetrans HF-2] gi 26453732 dbj BAC44063.1  unknown [Mycoplasma penetrans HF-2]									
HG101 4987	CLN00 138883	82	0.45	0														pTT5	CLN00 736332		
HG101 4988	CLN00 113699	75	0.15	1			127	26	35%	20%		KIAA1657 protein [Homo sapiens]	127	26	35%	20%					
HG101 4992	CLN00 155027	83	0.87	1			653	49	59%	8%		DRDL5813 [Homo sapiens]	653	49	59%	8%		pTT5	CLN00 736512		
HG101 4993	CLN00 155027	55	0.29	1			71	18	33%	25%		PRO2532 [Homo sapiens]	71	18	33%	25%		pTT5	CLN00 736512		
HG101 4996	CLN00 042242	70	0.32	1			695	23	33%	3%		protein with R3H and G-						pTT5	CLN00 736478		

[illegible]

HG101 5022	CLN00 192344	65	0.01	1		protein XP_499005 [Homo sapiens]										pTT5	CLN00 736440
HG101 5031	CLN00 041415	94	0.11	1		unnamed protein product [Homo sapiens]	291	40	43%	14%							
HG101 5032	CLN00 041415	88	0	2		unknown [Homo sapiens]	400	41	47%	10%							
HG101 5036	CLN00 081508	62	0.29	2												pTT5	CLN00 736385
HG101 5037	CLN00 114957	73	0	1												pTT5	CLN00 736561
HG101 5038	CLN00 114957	67	0.51	1		unnamed protein product [Homo sapiens]	128	34	51%	27%						pTT5	CLN00 736561
HG101 5050	CLN00 024579	90	0.23	0		COG0531: Amino acid transporters [Methanocooides burtonii DSM 6242]	456	33	37%	7%							
HG101 5052	CLN00 195792	58	0.69	1		PREDICTED: D: similar to SCO-spondin [Pan troglodytes]	6126	21	36%	0%							

HG101 5067	CLN00 197776	69	0.19	1	olfactory receptor Olf1334 [Rattus norvegicus]	311	22	32%	7%							p-Donor	CLN00 625950 CLN00 625952 CLN00 625956 CLN00 625984 CLN00 625986 CLN00 626567 CLN00 626569 CLN00 626571 CLN00 626573
HG101 5068	CLN00 197776	63	0.17	0	unnamed protein product [Homo sapiens]	138	34	54%	25%	138	34	54%	25%			pDonor	CLN00 625950 CLN00 625952 CLN00 625956 CLN00 625984 CLN00 625986 CLN00 626567 CLN00 626569 CLN00 626571 CLN00 626573

HG101 5071	CLN00 198831	68	0.01	1	hypothetical protein [Plasmodiu m yoelii yoelii]	508	25	37%	5%					
HG101 5074	CLN00 202085	70	0.26	1									pTT5	CLN00 736352
HG101 5075	CLN00 202085	58	0.62	0									pTT5	CLN00 736352
HG101 5079	CLN00 243977	70	0.45	0	septin-like protein [Rattus norvegicus] gi 25486149  pir JC7365 septin-like protein-a - rat gi 6090881 g b AAF03376 .1  septin- like protein [Rattus norvegicus]	564	24	34%	4%					
HG101 5086	CLN00 226626	92	0.49	1	unnamed protein product [Homo sapiens]	350	46	50%	13%	unnamed protein product [Homo sapiens]	350	46	50%	13%